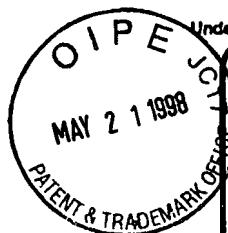


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Application Number	08/943,546
Filing Date	October 3, 1997
First Named Inventor	Averkiou
Group Art Unit	3737
Examiner Name	Mr. F. Jaworski
Attorney Docket Number	ATT-150

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	8-27-98
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2 of 2

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Application Number	08/943,546
Filing Date	10/3/97
First Named Inventor	Averkrou
Group Art Unit	3737
Examiner Name	F. Jaworski
Attorney Docket Number	ATL-150

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓ /M		F. DUNN ET AL., Nonlinear Ultrasonic Wave Propagation In Biological Materials, 1981 Ultrasonics Symposium at 527-32 (IEEE)	
✓ /M		T. MUIR, Nonlinear Effects In Acoustic Imaging, Acoustical Imaging, vol. 9 at 93-109 (Plenum Press, NYC, 1980)	
✓ /M		N. ICHIDA ET AL., Imaging The Nonlinear Parameter of a Medium, Ultrasonic Imaging, vol. 5, at 295-99 (Academic Press, 1983)	
✓ /M		T. CHRISTOPHER, Finite Amplitude Distortion-Based Inhomogeneous Pulse Echo Ultrasonic Imaging, IEEE Trans. Ult., Ferro. & Freq. Contr., Vol 44, Jan 1997 p123	
✓ /M		P.N. BURNS ET AL., Harmonic Power Mode Doppler Using Microbubble Contrast Agents, J. E.M.U. V. 16, No. 4 at 132-42 (Masson, Paris, 1995)	
✓ /M		P.N. BURNS, Harmonic Imaging with Ultrasound Contrast Agents, Clin. Radiology, V. 51, Suppl. 1, at 50-55 (Great Britain 1996)	
✓ /M		P.N. BURNS ET AL., Harmonic Imaging Principles and Preliminary Results, Angiology vol. 47, no. 7 Part 2 at 563-574 (Jul. 1996 New York)	
✓ /M		P.N. BURNS, Presentation of Papers Nos. 241, 243, 1046, 1438, 1682, 166 Supplements to Radiology (Nov 1992 v.185, Nov 1993 v.189, Nov 1994 v.193, Nov 1995 v.197 Nov 1996 v. 201)	
✓ /M		M. AVERKROU, Experimental Investigation of Propagation and Reflection Phenomena in Finite Amplitude Sound Beams, Ph.D. thesis, Univ. of Texas, May 1994.	

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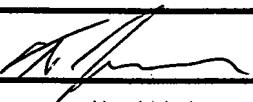
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Substitute for form 1449B/PTO			MAY 26 1998		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Application Number	08/943,546
(use as many sheets as necessary)					Filing Date	Oct. 3, 1997
					First Named Inventor	Averkiou
					Group Art Unit	3737
					Examiner Name	Mr. Jaworski
					Attorney Docket Number	ATL-150
Sheet	1	of	1			

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/N		M. AVERKIOU ET AL., Measurements of harmonic generation in a focused finite-amplitude sound beam, J. Acoust. Soc. Am., 98(6) at 3439-42 (December 1995)				OKAY
/P		M. AVERKIOU ET AL., Self-demodulation of amplitude-and frequency-modulated pulses in a thermoviscous fluid, J. Acoust. Soc. Am. 94(5) at 2876-83 (November 1993)				OKAY
/P		B. WARD ET AL., Nonlinear propagation applied to the improvement of resolution in diagnostic medical ultrasound, J. Acoust. Soc. Am. 101(1) at 143-54 (January 1997)				
/P		B. SCHROPE ET AL., Simulated Capillary Blood Flow Measurement Using a Nonlinear Ultrasonic Contrast Agent, Ultrasound Imaging 14 at 134-58 (Aca. Press 1992)				
/P		T. PORTER, Improved Myocardial Contrast with Second Harmonic Transient Ultrasound Response Imaging in Humans Using Intravenous Perfluorocarbon-Exposed Sonicated Dextrose Albumin, JACC 27(6) at 1497-501 (May 1996)				
/P		B. SCHROPE ET AL., Second Harmonic Ultrasonic Blood Perfusion measurement, Ult. in Med. & Biol. 19(7), at 567-79 (Pergamon Press 1993)				
/P		T. CHRISTOPHER, Finite Amplitude Distortion and its Relationship to Linear Operating Formulae for Diagnostic Ultrasound Systems, Ult. in Med. & Biol., 22(8) at 1103-16 (1996)				

Examiner Signature		Date Considered	8-27-98
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	08/943,546
				Filing Date	10/3/97
				First Named Inventor	Averkiou
				Group Art Unit	3737
				Examiner Name	F. Jaworski
Sheet	1	of	2	Attorney Docket Number	ATL 150

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Examiner
Signature**

R. J.

Date
Considered

8-27-98

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Sheet	2	of	2	Application Number	08/943,546
				Filing Date	10/3/97
				First Named Inventor	Averkiou
				Group Art Unit	3737
				Examiner Name	F. Jaworski
				Attorney Docket Number	ATL 150

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WJ	7	STARRITT, Evidence for ultrasonic finite amplitude distortion in muscle using medical equipment, JASA 77(1), Jan 1985 at 302-06		
	8	MUIR, Prediction of nonlinear acoustic effects at biomedical frequencies and intensities, Ult. in Med. & Biol., Vol 6 at 345-57 (1980)		
	9	CARSTENSEN, Demonstration of nonlinear acoustical effects at biomedical frequencies and intensities, Ult. in Med. & Biol. Vol 6 at 359-68 (1980)		
	10	STARRITT, The development of harmonic distortion in pulsed finite-amplitude ultrasound passing through liver, Phys. Med. Biol. Vol 31, no 12, 1401-09 (1986)		
	11	WARD, Non-linear propagation applied to the improvement of lateral resolution in medical ultrasound scanners, 1995 World Cong. on Ult. at 965-68		
✓	12	LAW, Ultrasonic determination of the nonlinearity parameter B/A for biological media, JASA 69(4), April 1981 at 1210-12		

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